

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001453

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. <sup>7</sup>: G01N 27/327, 33/544

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 WPIDS, MEDLINE, CA; KEYWORDS: HYDROPHOBIC, HYDROPHILIC, WELL, CAVITY, LIPID, MEMBRANE, BIOSENSOR, ELECTRODE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 1997/001092 A (AUSTRALIAN MEMBRANE & BOTECHNOLOGY RESEARCH INSTITUTE) 9 January 1997 Abstract, p10 line 16-p12 line 15, p22 lines 14-29	1-60
X	WO 1994/007593 A (AUSTRALIAN MEMBRANE & BOTECHNOLOGY RESEARCH INSTITUTE) 14 April 1994 Abstract, examples, claims 96-101	1-60
X	WO 1998/055854 A (AUSTRALIAN MEMBRANE & BOTECHNOLOGY RESEARCH INSTITUTE) 10 December 1998 Abstract, p1 lines 4-27, p31 lines 7-28, claims 2 and 12	1-60

☒ Further documents are listed in the continuation of Box C☒ See patent family annex

## \* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search  
21 December 2004

Date of mailing of the international search report  
06 JAN 2005

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## INTERNATIONAL SEARCH REPORT

International application No.  
**PCT/AU2004/001453**

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5111221 A (FARE et al) 5 May 1992 Abstract, column 5 lines 6-32	1-60
A	Y. Cheng et al, "Discrete membrane arrays" Reviews in Biotechnology (2000) Vol 74 p159-174 Figures 13-14, 17	
A	WO 1994/025862 A (WASHINGTON STATE UNIVERSITY RESEARCH FOUNDATION) 10 November 1994 Whole document	

**INTERNATIONAL SEARCH REPORT**  
information on patent family members

International application No.  
**PCT/AU2004/001453**

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
WO	9425862				
WO	9701092	AU	59926/96	AU	85233/98
		EP	0838028	US	5879878
WO	9407593	AU	51444/93	CA	2145996
		EP	1104883	EP	1106998
		US	5637201	US	5741409
		US	5783054	US	5798030
WO	9855854	AU	77509/98	CA	2294082
		US	6447656	EP	0986747
US	5111221	US	5225374		

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX